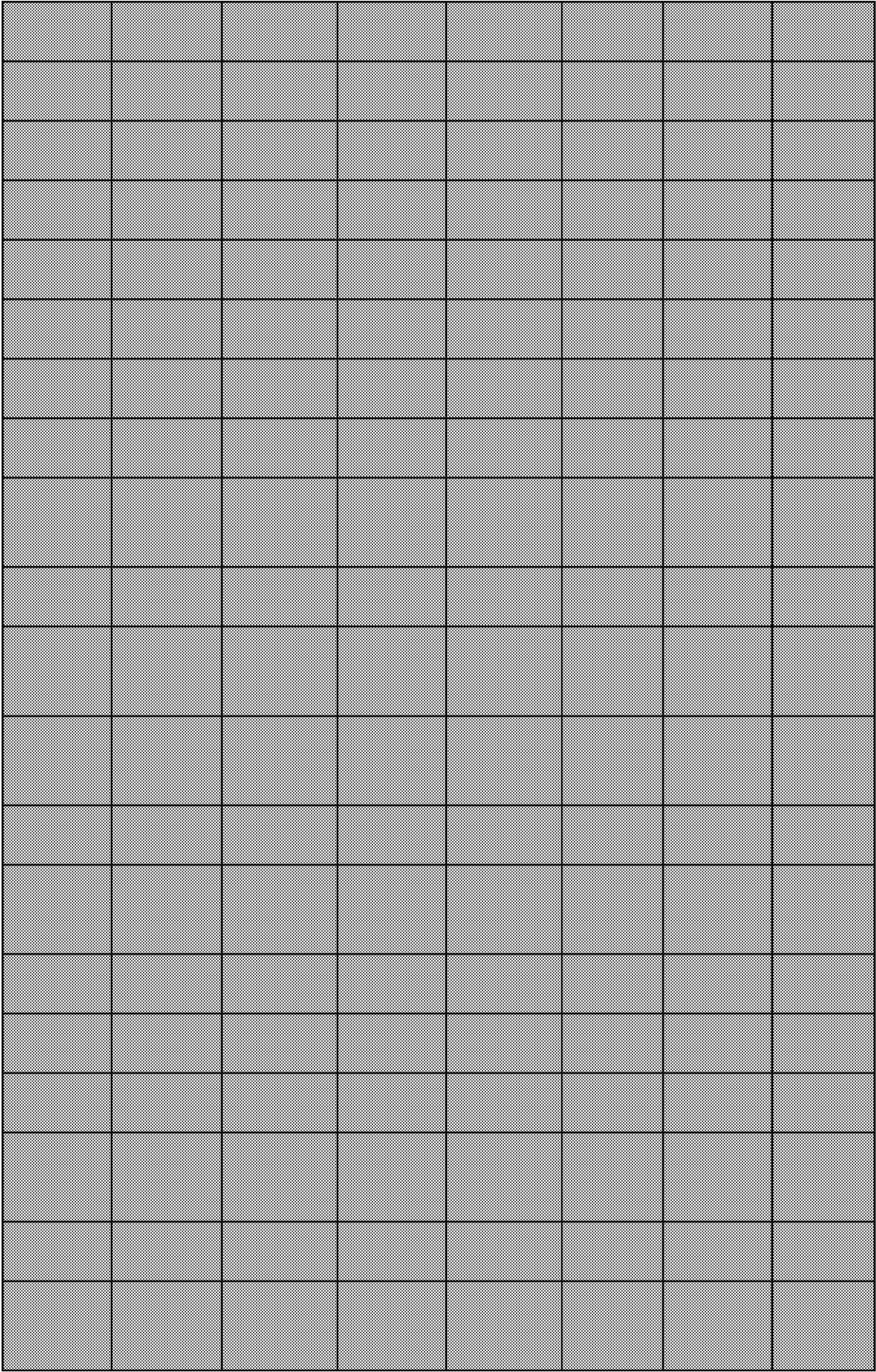


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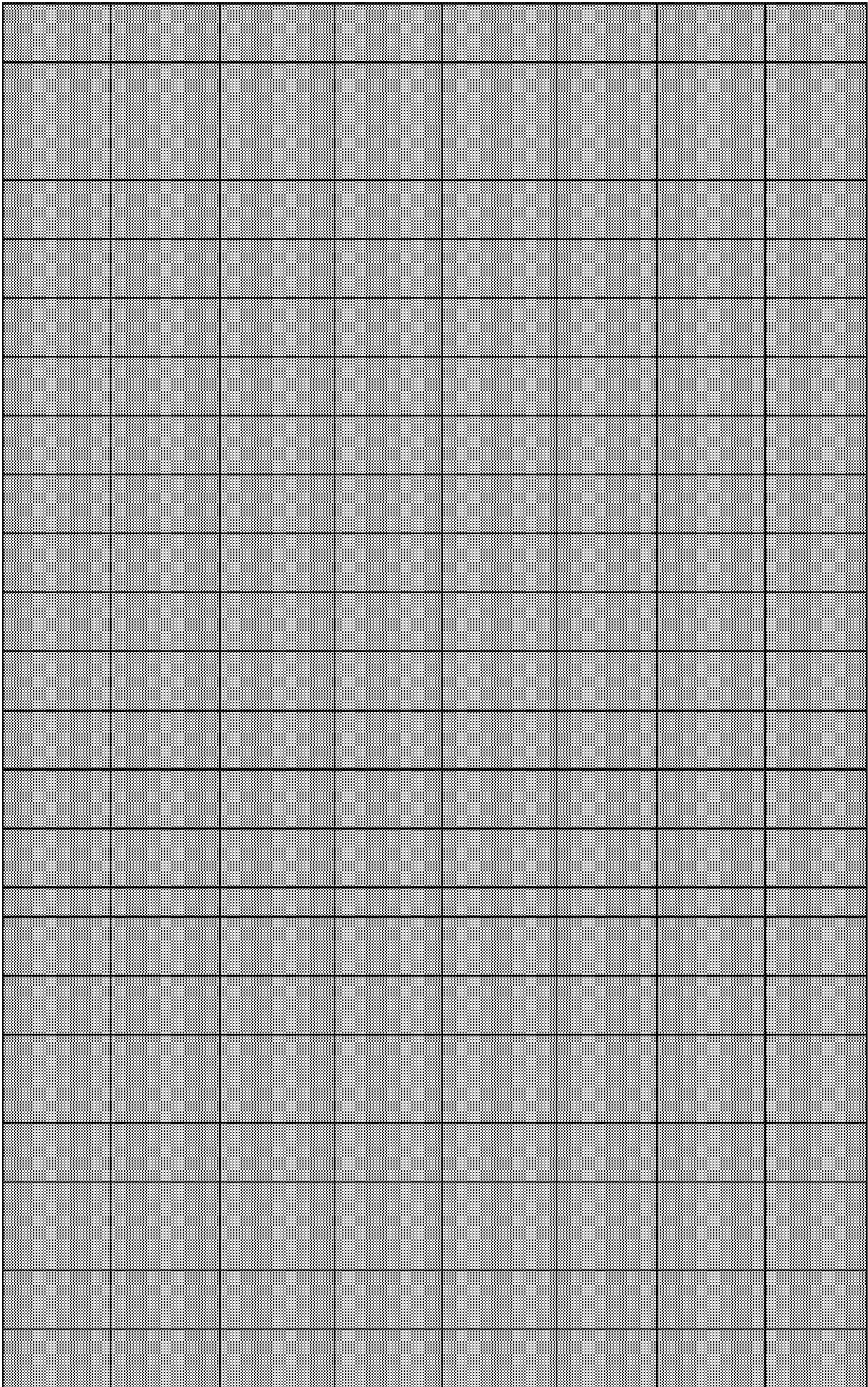


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Overexpression of epidermal growth factor receptors (ErbB) is frequently seen in inflammatory breast cancer (IBC). Treat
The theoretical basis of reactive oxygen species and their impact on health issues are relatively easy to understand by bio
Paraquat (PQ) is a herbicide that preferentially accumulates in the lung and exerts its cytotoxicity via the generation of re
Marine Synechococcus undergo a wide range of environmental stressors, especially high and variable irradiance, which r
Superoxide (O ₂ (⁻)) is implicated in inflammatory states including arteriosclerosis and ischemia-reperfusion injury. Cob
Paraquat (1,1'-dimethyl-4,4'-bipyridinium dichloride; PQ), an effective and widely used herbicide, was commercially intro
Wld(S) is a fusion protein with NAD synthesis activity, and has been reported to protect axonal and synaptic compartmen
Paraquat (PQ) is a relatively safe and effective herbicide used all over the world. PQ is very toxic to all living organisms; a
BACKGROUND: Despite over forty years of investigation on low-level light therapy (LLLT), the fundamental mechanisms u
Previously, we have shown that a heteroplasmic mutation in mitochondrial DNA-encoded complex I ND5 subunit gene re
Investigation of herbicide toxicology in non-target aquatic primary producers such as microalgae is of great importance f
BACKGROUND: Generation of reactive oxygen species (ROS) is a key feature of vascular disease. Activation of the nuclear
A simple and versatile dendrimer based platform to deliver therapeutic agents at temperatures within the physiological t
XPF-ERCC1 is a structure-specific endonuclease that is essential for nucleotide excision repair and DNA interstrand cross-
BACKGROUND: Senescence is an important developmental process that leads to the cell death through highly regulated p
Recent studies suggest that intercellular transport via plasmodesmata (PD) is regulated by cellular redox state. Until now
Mitochondria are a main providers of high levels of energy, but also a major source of reactive oxygen species (ROS) duri
The present experiments were aimed to characterize in immortalized human HaCat keratinocytes the gene expression in
Pharmacoepidemiologic studies provide evidence that use of metformin, a drug commonly prescribed for type II diabete
The rolB (for rooting locus of Agrobacterium rhizogenes) oncogene has previously been identified as a key player in the f
BACKGROUND: Nowadays, more and more herbal drugs of traditional Chinese medicine (TCM) rely on cultivation rather
BACKGROUND: Induction of reactive oxygen species (ROS) is a central mechanism in alcohol hepatotoxicity. Kruppel-like

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Nuclear factor erythroid 2-related factor 2 (Nrf2) is an antioxidant-activated transcription factor that recently emerged as
Cisplatin is a widely used chemotherapeutic agent that causes significant hearing loss. Previous studies have shown that
Lipid peroxide-derived reactive carbonyls (RCs) can cause serious damage to plant functions. A chloroplastic NADPH-dep
Paraquat (1,1'-dimethyl-4,4'-bipyridinium chloride; PQ) is widely and commonly used as a herbicides in the world. PQ has
Reactive oxygen species, endothelial dysfunction, inflammation, and mitogen-activated protein kinases have important r
A prochelator named BHAPI (N'-(1-(2-(4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)benzyloxy)phenyl)ethyli dene)isoni
Paraquat (PQ) is not only widely used as a potent herbicide but also causes severe fatality to humans around the world d
Persisters are dormant phenotypic variants of regular cells that are tolerant to antibiotics and play an important role in re
Reactive Oxygen Species (ROS) are a natural by-product of cellular growth and proliferation, and are required for fundam
Periods of elevated reactive oxygen species (ROS) production are a normal part of mitochondrial physiology. However, li
In the current literature, the lysosomal system is considered to be involved in the intracellular formation and accumulatio
Mitochondrial retrograde regulation (MRR) is the transduction of mitochondrial signals to mediate nuclear gene expressi
Oxidative injury can occur in the lung through the generation of reactive oxygen species (ROS) via redox cycling owing to
Abiotic stress is greatly associated with plant growth inhibition and redox cell imbalance. In the present work, we have in
Entamoeba histolytica, a microaerophilic enteric protozoan parasite, causes amebic colitis and extra intestinal abscesses
Vasohibin-1 (VASH1) is isolated as an endothelial cell (EC)-produced angiogenesis inhibitor. We questioned whether VAS
The present study checked the suitability of the integration of flow cytometry (FCM) as technique and a freshwater micro
Pro-oxidative effect of phenolic antioxidant (vitamin E) in combination with the initiators on human low-density lipoprote
CTBT (7-chlorotetrazolo[5,1-c]benzo[1,2,4]triazine) is an antifungal and chemosensitizing agent that induces oxidative str
PURPOSE: Inverse correlations of apolipoprotein D (ApoD) expression with tumor growth have been shown, therefore pr

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